Senior Regulatory Advocate

Association of California Water Agencies

ACWA Groundwater Activities 2011-2013



ACWA/DWR Groundwater Management Survey

- Partnership with Department of Water Resources
- Groundwater management activities
- Inventory of groundwater banking projects
- Launched in October 2011
- Survey available at:

www.acwa.com/groundwater survey



Survey Components

- Broken up into three sections online
 - DWR GWMP Database Information
 - Details on elements of groundwater management activities by each agency
 - Inventory of groundwater banking projects throughout the state



DWR GWMP Database Information

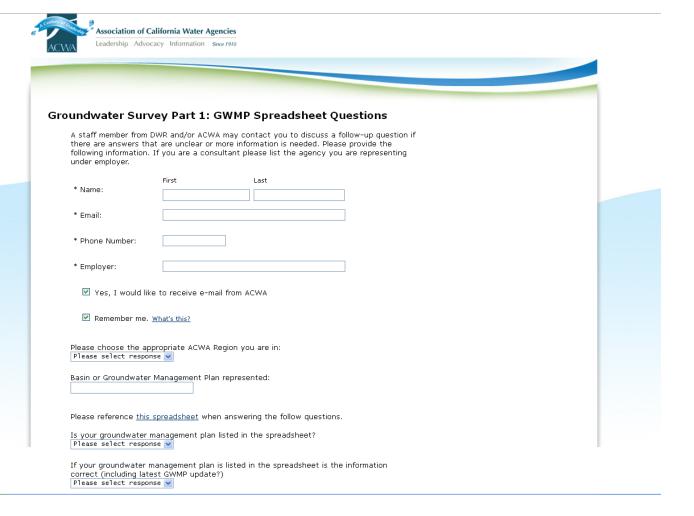
- Information on groundwater management plans gathered by DWR from variety of sources
- Verify the information listed in downloadable spreadsheet
- If GWMP is not listed, submit details in survey
- Includes areas outside Bulletin 118





SUSTAINABILITY FROM THE GROUND UP GROUNDWATER MANAGEMENT IN CALIFORNIA – A FRAMEWORK –

DWR GWMP Database Information





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DWR GWMP Database Information

the information is not listed correctly, please provide the correct information and/or a coint of contact where we can obtain the correct information.	If yes, please provide as much information as possible, based on the headings from the spreadsheet.
an you obtain (and provide) a digital copy of GWMPs, if it is not listed in this table? If es, we will contact you to obtain a copy.	Please list any other GWMP's in the Hydrologic Region, Groundwater Basin or County you may be aware of that are not on the list.
Fno, would you be interested in obtaining technical assistance to digitize the GWMP? Please select response An you obtain (and provide) a digital shape file of the area boundary covered under the swmP? Please select response Fno, would you be interested in obtaining technical assistance to digitize the GWMP oundary? Please select response	Notes / Other Comments (If there are answers or additional information you would like to provide regarding your groundwater management activites please indicate them here.)
f your basin is not listed in the spreadsheet as being covered by a groundwater nanagement plan and one exists please provide the information and/or a point of contact or follow up information.	Please let us know what DWR Hydrologic Region you are in: Continue Survey Reset Answers Skip This Survey Section

Do you have a Groundwater Management Plan (or functional equivalent) that is locate outside the alluvial groundwater basins delineated in DWR's Bulletin 118 (e.g. hard rodk?) http://www.water.ca.gov/groundwater/bulletin118/update2003.cfm
Please select response

Elements of Groundwater Management Plans

- Specific Basin Management Objectives
- Bulletin 118 suggested components
- Key factors for success and existing limitations
- Multiple areas for additional comment



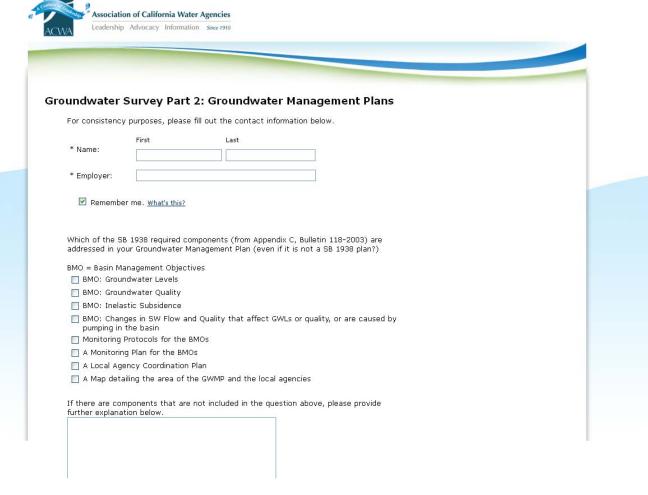


SUSTAINABILITY FROM THE GROUND UP

GROUNDWATER MANAGEMENT IN CALIFORNIA

– A FRAMEWORK –

Elements of Groundwater Management Plans



Groundwater banking projects inventory

- Specific details on banking activities
- Request for information on additional projects
- Challenges preventing implementation
- Section also includes questions on CASGEM



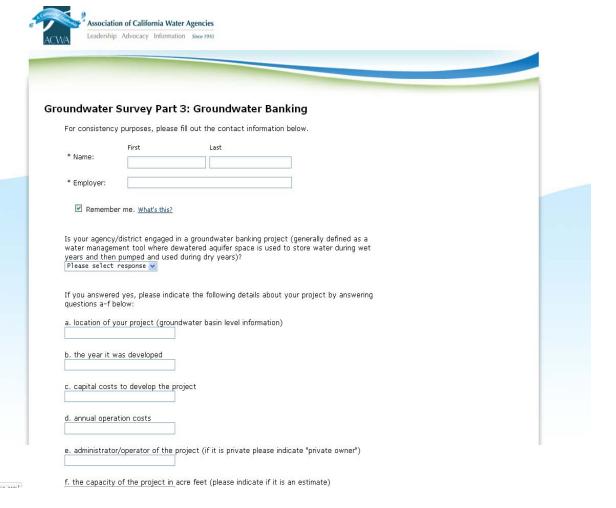


SUSTAINABILITY FROM THE GROUND UP

GROUNDWATER MANAGEMENT IN CALIFORNIA

– A FRAMEWORK –

Groundwater banking projects inventory



Current Results Part 1 (GWMP Database):

• Number of responses:

• Part 1: 60

• Part 2: 53

• Part 3: 26

• ACWA Region representation:

• Region 1: 1

• Region 2: 7

• Region 3: 2

• Region 4: 9

• Region 5: 13

• Region 6: 7

• Region 7: 3

• Region 8: 3

• Region 9: 5

• Region 10: 5



Current Results

Part 2 (Elements of GWMP):

- Top SB 1938 Required Components included in plan:
 - BMO: Groundwater Levels, 73.6%
 - BMO: Groundwater Quality, 67.9%
 - A Map detailing the area of the GWMP and the local agencies, 62.3%
- Coordination with IRWM efforts:
 - 47.2% responses indicated they have included IRWM Coordination in their GWMP (defined as a description of GWMP coordination with nearby IRWM Groups, water managers and land use planners)



Current Results

Part 2 (Elements of GWMP):

- Does your plan have a description and map of recharge areas that contribute to the replenishment of the basin (as required by AB 359 (Ch. 572, Stat. 2011))?
 - 41.5% said yes, 22.6% said they plan to add it to their GWMP
- Top challenges:
 - Limited funding for groundwater management projects, planning and for assistance to ensure stakeholder participation
- Is your groundwater supply sustainable/reliable in the long-term?
 - 52.8% said yes

Current Results

Part 3 (Groundwater Banking):

- Nine agencies indicated they have banking projects
- Capacity of the projects range from 2,000 af to up to 1 maf
- Challenges preventing implementation of additional projects
 - funding for capital costs
 - adequate regional and local surface storage and conveyance systems
 - planning and/or technical assistance
 - additional surface water supplies



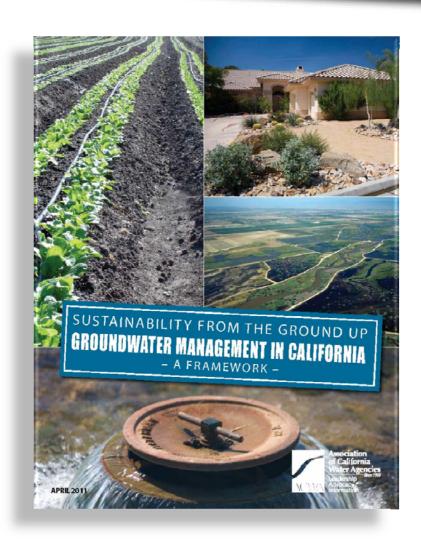
Survey Next Steps

- Current results—what areas are we missing?
 - DWR and ACWA compiling data
- Need additional responses—areas outside Bulletin 118
- Map of local and regional groundwater management in California
- Partnership with California Water Foundation





SUSTAINABILITY FROM THE GROUND UP GROUNDWATER MANAGEMENT IN CALIFORNIA – A FRAMEWORK –



Framework Background

- ACWA Policy Principles in 2009 addressed the sustainability of California's groundwater resources
- Effort to develop Framework began in early 2009
- Developed by experienced groundwater managers throughout the state
- Overview of current groundwater conditions, challenges, case studies in effective local management, and 22 recommendations for consideration and action



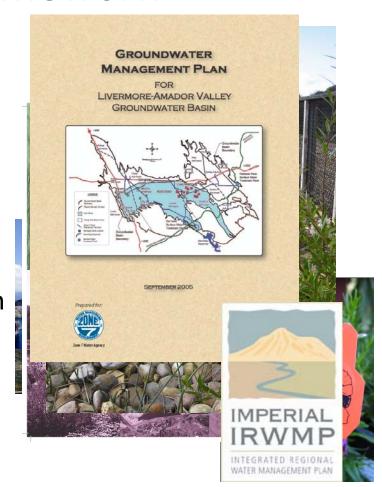
Purpose of Framework

- Highlight the many successful locally-driven cases of innovative groundwater management
- Provide a policy foundation and recommendations for expanding successful efforts



Foundational Themes of Framework

- Sustainability must be a key policy goal for local groundwater management
- The management tools we need already exist today
- The local level is the appropriate place to provide sustainable management
- Sustainable groundwater management can only happen as part of a comprehensive approach that includes Delta conveyance improvements, additional surface and groundwater storage, and investments in local resources development





SUSTAINABILITY FROM THE GROUND UP GROUNDWATER MANAGEMENT IN CALIFORNIA – A FRAMEWORK –

Just a Few Examples...



Sacramento Groundwater Authority



Glenn County Groundwater Mgmt. Plan



Upper Kings Basin IRWM Authority



Orange County Water District

Summary of Recommendations

 Local water agencies throughout California should implement sustainable groundwater management plans

2. The state should facilitate the development of these plans

The state should remove impedim sustainable groundwater managem

4. We must implement comprehensive solutions to achieve the coequal goals



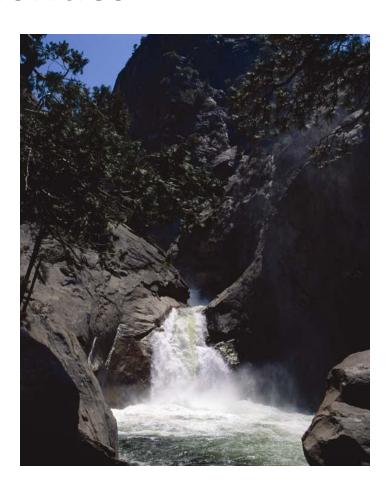
2012-2013 Action Plan

- Implementation Subcommittee formed to create plan
- Focus on specific recommendations for action in 2012-2013
- Matrix included with status of all 22 recommendations
- Eight areas highlighted as priorities
- Additional ongoing activities



2012-2013 Action Plan Priorities

- Groundwater management survey
- "Sustainability" and "transparency"
- Small and disadvantaged communities
- SB 918 implementation (gw recharge)
- Data availability
- California Water Foundation partnership
- Groundwater recharge as beneficial use
- Elements of a "sustainable" GWMP



2012-2013 Action Plan Priorities

- Small and disadvantaged communities
 - Focus on water quality issues
 - Availability of data in affected areas
 - SBX2 1 Nitrate Pilot Projects
 - Increased funding for infrastructure improvements
 - Collaboration with local stakeholders



2012-2013 Action Plan Priorities

- California Water Foundation partnership
 - Follow-up to groundwater management survey
 - Technical workshops
 - Interactive website



Integration with DWR/IRWM Efforts

- ACWA's mission: advocacy and information
- Advocate for state IRWM funding
- Collaboration with DWR on CASGEM
 - 2010 educational workshops
- DWR Water Plan Groundwater Caucus
 - Survey partnership
- Outreach at DWR Regional events
- Support for local and regional solutions





SUSTAINABILITY FROM THE GROUND UP GROUNDWATER MANAGEMENT IN CALIFORNIA - A FRAMEWORK -



Questions??
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